CONTENTS VOLUME 36

Number 1, July 1991

FREQUENCY OF TWIN BIRTHS FROM HOLSTEIN-FRIESIAN COWS IN A WARM DRY CLIMATE
D.P. Ryan and M.P. Boland.....1

IMPORTANCE OF CUMULUS CELLS AND INSEMINATION INTERVALS FOR DEVELOPMENT OF BOVINE OOCYTES INTO MORULAE AND BLASTOCYSTS IN VITRO
A.I. Younis and B.G. Brackett.....11

COMPARISON OF PREGNANCY RATES FROM TRANSFER OF FRESH VERSUS COOLED, TRANSPORTED EQUINE EMBRYOS
N.J. Carney, E.L. Squires, V.M. Cook, G.E. Seidel, Jr. and D.J. Jasko.....23

TRANSITORY ACIDIFICATION OF SEMEN AS A POTENTIAL METHOD FOR THE INACTIVATION OF SOME PATHOGENIC MICROORGANISMS. EFFECT ON FERTILIZATION AND DEVELOPMENT OF OVA IN SUPEROVULATED HEIFERS
A. Bielanski, P. Eastman and W.C.D. Hare.....33

SEASONALITY AND VARIABILITY OF THE INTERESTROUS INTERVAL IN THE BITCH
G. Bouchard, R.S. Youngquist, D. Vaillancourt, G.P. Krause, P. Guay and M. Paradis.....41

ESTRUS INDUCTION IN THE BITCH USING A COMBINATION DIETHYLSTILBESTROL AND FSH-P
G. Bouchard, R.S. Youngquist, B. Clark, P.W. Concannon and W.F. Braun.....51

DO MARES POSSESS AN INTRACELLULAR ENDOMETRIAL INHIBITOR OF PROSTAGLANDIN SYNTHESIS DURING EARLY PREGNANCY?
E.D. Watson.....67

XYLAZINE-INDUCED EX COPULA EJACULATION IN STALLIONS
S.M. McDonnell and C.C. Love.....73

(continued)

THE EFFECTS OF ADMINISTRATION OF GONADOTROPHINS AND ESTROGENS ON PRENATAL SURVIVAL IN GILTS
E. Lambert, D.H. Williams, P.B. Lynch, T.J. Hanrahan, T.A. McGeady, F.H. Austin, M.P. Boland and J.F. Roche.....77

THE INFECTION OF MOUSE PREIMPLANTATION EMBRYOS TO SENDAI VIRUS (PARAINFLUENZA I)
C. Lavilla-Apelo, K. Ohta, H. Kida and H. Kanagawa.....87

EFFECTS OF LH AND FSH ON THE MATURATION OF PIG OOCYTES IN VITRO
M. Mattioli, M.L. Bacci, G. Galeati and E. Seren.....95

EFFECTS OF DIETARY ENERGY LEVEL ON LUTEINIZING HORMONE AND ADRENAL FUNCTION IN THE POSTPARTUM BEEF COW
J.B. Hall, T.E. Kiser, D.L. Boggs and R.S. Lowrey.....107

THE USE OF THE PROBIT MODEL TO PREDICT PREGNANCY STATUS OF BUFFALO BASED ON PHYSICO-CHEMICAL PROPERTIES OF ESTRUAL MUCUS
A. Mehmood, S. Akhtar, N. Ullah and M.I. Khan.....117

INDUCTION OF SYNCHRONIZED ESTRUS AND FERTILITY IN ANESTROUS ZEBU X TAURUS CROSSBRED COWS
A.V. Narasimha Rao and T.B. Suryaprakasam.....123

EVALUATION OF THREE ESTRUS SYNCHRONIZATION REGIMENS FOR USE IN EXTENSIVELY MANAGED Bos inducus AND Bos indicus/taurus HEIFERS IN NORTHERN AUSTRALIA
D.R. Kerr, M.R. McGowan, C.L. Carroll and F.C. Baldock.....129

OXYTOCIN-INDUCED BIOCHEMICAL CHANGES IN CERVICAL MUCUS OF THE GOAT
M.M. Al-Eknah, A.M. Homeida, A.K.A. Galil and A.E. Elbashir.....143

EFFECT OF CAFFEINE ON THE POST-THAW MOTILITY OF BUFFALO SPERMATOZOA
El-S.M. Fattouh and M.S.S. Abdou.....149

(continued)

Number 2, August 1991

THE RELATIONSHIP OF FOLLICLE ATRESIA TO FOLLICLE SIZE, OOCYTE RECOVERY RATE ON ASPIRATION, AND OOCYTE MORPHOLOGY IN THE MARE
K. Hinrichs.....157

THE EFFECT OF ESTRADIOL VALERATE ON FOLLICULAR DYNAMICS AND SUPEROVULATORY RESPONSE IN COWS WITH SYNCRO-MATE-B IMPLANTS
G.A. Bo, R.A. Pierson and R.J. Mapletoft.....169

TRUE HEMAPHRODITISM IN A WILD SHEEP: A CLINICAL REPORT
T.D. Bunch, R.J. Callan, A. Maciulis, J.C. Dalton, M.R. Figueroa, R. Kunzler and R.E. Olson.....185

ESTRUS SYNCHRONIZATION IN HOLSTEIN COWS USING REDUCED DOSES OF PROSTAGLANDIN F2 ALPHA
M.J. Garcia-Winder and J. Gallegos-Sanchez.....191

EFFECT OF 17beta-ESTRADIOL ON THE PREOVULATORY SURGE OF LH IN THE BOVINE FEMALE
T.T. Stumpf, M.W. Wolfe, M.L. Day, J.A. Stotts, P.L. Wolfe, R.J. Kittok and J.E. Kinder.....201

IN VITRO PENETRATION OF ZONA PELLUCIDA OF SALT-STORED BOVINE OOCYTES BEFORE AND AFTER MATURATION BY FROZEN-THAWED SPERMATOZOA
R.C. Chian, K. Niwa and K. Okuda.....209

CLEARANCE OF EXOGENOUS CARNITINE IN BOVINE SEMEN: POTENTIAL DIAGNOSIS OF EPIDIDYMAL FUNCTION AND PATENCY OF THE DUCTUS DEFERNS
H. Eiler, C.S. Backus, F.M. Hopkins and D.S. Sachan.....221

THE EFFECTS OF RECOMBINANT BOVINE INTERFERON-ALPHA ON FERTILITY ON EWES
S. Martinod, R.R. Maurer, B. Siegenthaler, C. Gerber and P.J. Hansen.....231

EFFECTS OF BREED, AGE OF DONOR AND DOSAGE OF FOLLICLE STIMULATING HORMONE ON THE SUPEROVULATORY RESPONSE OF BEEF COWS
K.F. Breuel, R.D. Baker, R.L. Butcher, E.C. Townsend, K. Inskeep, R.A. Daily and S.P. Lerner..... 241

(continued)

PRELIMINARY FIELD EVIDENCE FOR THE ASSOCIATION OF CLINICAL MASTITIS WITH ALTERED INTERESTRUS INTERVALS IN DIARY CATTLE
D.A. Moore, J.S. Cullor, R.H. Bondurant and W.M. Sischo.....257

URINARY STEROIDS IN THE PERIPARTURIENT AND POSTPARTUM PERIODS THROUGH EARLY PREGNANCY IN LLAMAS
P.W. Bravo, G.H. Stabenfeldt, M.E. Fowler and B.L. Lasley.....267

ANALYSIS OF CRYOPROTECTANT, COOLING RATE AND IN SITU DILUTION USING CONVENTIONAL FREEZING OR VITRIFICATION FOR CRYOPRESERVING SHEEP EMBRYOS
M.C. Schiewe, R.F. Rall, L.D. Stuart and D.E. Wildt.....279

OVARIAN FUNCTION AND PREGNANCY RATES IN REINDEER CALVES (Rangifer tarandus) IN SOUTHERN NORWAY
E. Ropstad, D. Lenvik, E. Bo, M.M. Fjellheim and K. Romsas.....295

EFFICACY OF THE HAMILTON THORN MOTILITY ANALYZER (HTM-2030) FOR THE EVALUATION OF BOVINE SEMEN
M. Anzar, M.M. Hassan, E.F. Graham, R.C.M. Deyo and G. Singh.....307

EFFECT OF NUTRITION AND ENDOPARASITIC TREATMENT GROWTH, ONSET OF PUBERTY AND REPRODUCTIVE ACTIVITY IN MENZ EWE LAMBS
E. Mukasa-Mugerwa, O.B. Kasali and A.N. Said.....319

LAMBING AND PLACENTAL EXPULSION TIME AFTER DEXAMETHASONE-INDUCED PARTURITION IN CORRIEDALE AND POLWARTH EWES
E. Rubianes, E. Rodas, A. Benech, A. Carrau and A. Ferreira.....329

EFFECT OF PGF2 ALPHA INJECTION ON CONCEPTION RATES OF DAIRY COWS TREATED WITH A GnRH AGONIST 12 TO 14 DAYS AFTER ARTIFICIAL INSEMINATION
H. Lajili, P. Humblot and M. Thibier.....335

(continued)

Number 3, September 1991

EFFECT OF THE COLLECTION METHOD ON SEMEN CHARACTERISTICS OF ZEBU AND EUROPEAN TYPE CATTLE IN THE TROPICS
H. Leon, A.A. Porras, C.S. Galina and R. Navarro-Fierro.....349

EMBRYO RECOVERY FROM MARES EXPOSED TO A YEAR-TO-YEAR ARTIFICIALLY PROLONGED DAYLENGTH
K. Kot and M. Tischer.....357

PREGNANCY RATES IN DAIRY COWS FOLLOWING THE ADMINISTRATION OF A GnRH ANALOGUE AT THE TIME OF ARTIFICIAL INSEMINATION OR AT MID-CYCLE POST INSEMINATION
D.P. Ryan, E. Kopel, M.P. Boland and R.A. Godke.....367

FACTORS AFFECTING THE SURVIVAL OF BISECTED SHEEP EMBRYOS IN VIVO
A. Szell and R.H.H Hudson.....379

ARE ANITBODIES RESPONSIBLE FOR A DECREASED SUPEROVULATORY RESPONSE IN GOATS WHICH HAVE BEEN TREATED REPEATEDLY WITH PORCINE FOLLICLE-STIMULATING HORMONE?
B. Remy, G. Baril, J.C. Vallet, R. Dufour, C. Chouvet, J. Saumande, D. Chupin and J.F. Beckers.....389

AGE AT PUBERTY, FERTILITY AND LITTER SIZE OF EWE LAMBS REARED UNDER DIFFERENT PHOTOREGIMENS
L. Ainsworth, D.P. Heaney and J.N.B. Shrestha.....401

FIRST CLEAVAGE OF ENUCLEATED RAT EGGS FOLLOWING TRANSPLANTATION OF KARYOPLAST REMOVED FROM PRONUCLEAR EGGS STORED AT 2 TO 6°C FOR VARIOUS DURATIONS
K. Niwa, H. Funahashi, K. Ohmae and M. Kattoh.....411

DOES THE 1/29 ROBERTSONIAN TRANSLOCATION AFFECT THE FERTILITY OF BLONDE D'AQUITAINE BREED BULLS?
F. Gary, D. Concordet, H.M. Berland, X. Berthelot and R. Darre.....419

DEVELOPMENTAL CAPACITY OF BOVINE OOCYTES COLLECTED FROM OVARIES OF INDIVIDUAL HEIFERS AND FERTILIZED IN VITRO
H. Funahashi, Y. Aoyagi, T. Takeda and T. Onihara.....427

(continued)

FERTILIZATION AND CULTURE OF RABBIT OOCYTES IN HYDROGEL CHAMBERS IMPLANTED IN THE PERITONEAL CAVITY OF MOUSE RECIPIENTS
M.C. Kim.....435

OVULATORY ACTIVITY IN NATIVE THAI GOATS
P. Suttiyotin, B.J. Restall, J.T.B. Milton, S. Saithanoo and P. Klong-yutti.....443

CONCENTRATIONS OF ESTERONE SULFATE IN PERIPHERAL SERUM OF PREGNANT GOATS: RELATIONSHIPS WITH GESTATION LENGTH, FETAL NUMBER AND THE OCCURRENCE OF FETAL DEATH IN UTERO
K.R. Refsal, J.V. Marteniuk, C.S.F. Williams and R.F. Nachreiner.....449

EMBRYO SURVIVAL IN PSEUDOPREGNANT AND IN PREGNANT BUT GENETICALLY SEMI-STERILE RECIPIENTS AFTER NONSURGICAL EMBRYO TRANSFER IN THE MOUSE
F.A. van der Hoeven, M. Schouten and P. de Boer.....463

THE EFFECT OF LENGTH OF CRYOPRESERVATION ON THE VIABILITY OF BOVINE EMBRYOS IN A COMMERCIAL OPERATION
K. Hruska, Jr.....477

FERTILIZABILITY AND SUBSEQUENT DEVELOPMENTAL ABILITY OF BOVINE OOCYTES MATURED IN MEDIUM CONTAINING EPIDERMAL GROWTH FACTOR (EGF)
S. Coskun, A. Sanbuissho, Y.C. Lin and Y. Rikihisa.....485

FACTORS AFFECTING RESPONSE OF GROUPS OF DAIRY COWS MANAGED FOR DIFFERENT CALVING-CONCEPTION INTERVALS
H. Schindler, S. Eger, M. Davidson, D. Ochowski, E.C. Schermerhorn and R.H. Foote.....495

CAPACITATION OF FRESH BOVINE SPERMATOZOA ON BOVINE EPITHELIAL OVIDUCT CELL MONOLAYERS
C. Guyader and D. Chupin.....505

VAGINO-CORNUAL CANNULATION AND EMBRYO RECOVERY FROM CROSSBRED (*Bos indicus* x *Bos taurus*) HEIFERS
A. Subramanian and K.P. Devarajan.....513

(continued)

Number 4, October 1991

EFFECT OF HYPERKETONAEMIA AND FEEDING ON FERTILITY IN DAIRY COWS
L. Andersson, A.H. Gustafsson and U. Emanuelson.....521

INFLUENCE OF THE PRESENCE OF A MATURE FEMALE ON PUBERTY ATTAINMENT IN GILTS
A. Prunier and A.M. Mounier.....537

GROWTH, ENDOCRINE PROFILES AND REPRODUCTIVE RESPONSES OF EWE LAMBS AFTER MEDIUM AND LONG-TERM TREATMENT WITH OVINE GROWTH HORMONE
C.E. Heird and D.M. Hallford.....543

EFFECTS OF ECBOLIC AGENTS ON MEASUREMENTS OF UTERINE INVOLUTION IN THE MARE
T.L. Blanchard, D.D. Varner, S.P. Brinsko, K. Quirk, J.N. Rugila and L. Boehnke.....559

EFFECT OF RECOMBINANTLY-DERIVED BOVINE SOMATOTROPIN ON REPRODUCTIVE PERFORMANCE OF DAIRY CATTLE
W.J. Cole, K.S. Madsen, R.L. Hintz and R.J. Collier.....573

AN OUTBREAK OF FETAL AND NEONATAL LOSSES ASSOCIATED WITH THE DIAGNOSIS OF BOVINE VIRAL DIARRHEA VIRUS IN A DAIRY HERD
D.J. Sprecher, J.C. Baker, R.E. Holland and B. Yamini.....597

EFFECTS OF PRETREATMENT WITH ADRENOCORTICOTROPIN ON ENDOCRINE AND BEHAVIORAL RESPONSES OF BULLS TO SEXUAL ACTIVITY
K.E. Borg, K.L. Esbenshade and B.H. Johnson.....607

IN VITRO SURVIVAL OF FRESH AND FROZEN/THAWED BOVINE DEMI-EMBRYOS
A. Lucas-Hahn and H. Niemann.....619

(continued)

NONSURGICAL RECOVERY OF DEGENERATIVE OVA FROM THE UTERI OF MARES
J.M. Wilson, J.L. Kreider, G.D. Potter and D.C. Kraemer.....629

TESTICULAR DEVELOPMENT IN CHINESE MEISHAN BOARS
H. Harayama, I. Nanjo, S. Kanda and S. Kato.....637

FUSION AND DEVELOPMENT RATES OF SINGLE BLASTOMERE PAIRS OF MOUSE TWO- AND FOUR-CELL EMBRYOS USING THE ELECTROFUSION METHOD
T. Taniguchi, H.T. Cheong and H. Kanagawa.....645

THE EXTENT AND TIMING OF PRENATAL LOSS IN GILTS
E. Lambert, D.H. Williams, P.B. Lynch, T.J. Hanrahan, T.A. McGeady, F.H. Austin, M.P. Boland and J.F. Roche.....655

DEVELPOMENT OF MACROSCOPIC AND MICROSCOPIC CHARACTERISTICS OF THE EJACULATE FROM CHIOS, SERRES AND KARAGUNIKI BREED LAMBS
K. Alexopoulos, A. Karagiannidis and P. Tsakalof.....667

INCREASING REPRODUCTIVE RATES IN TROPICAL SHEEP BY MEANS OF EMBRYO TRANSFER
E.R. Mutiga.....681

FAILURE OF EMBRYOS FROM BLUETONGUE INFECTED CATTLE TO TRANSMIT VIRUS TO SUSCEPTIBLE RECIPIENTS OR THEIR OFFSPRING
J.A. Acree, S.E. Echternkamp, S.M. Kappes, A.J. Luedke, F.R. Holbrook, J.E. Pearson and G.S. Ross.....689

EFFECTS OF AMINOGLUTETHIMIDE PHOSPHATE ADMINISTRATION ON THE INCIDENCE OF PREGNANCY AND NUMBER OF LIVE FETUSES IN SUPEROVULATED RATS
I. Ishibashi, G. Fujimoto and T. Hishi.....699

(continued)

Number 5, November 1991

THE LAPAROSCOPE IN FOLLICULAR OOCYTE COLLECTION AND GAMETE INTRAFALLOPIAN TRANSFER AND FERTILIZATION (GIFT)
R.A. Fayrer-Hosken and A.B. Caudle.....709

INFLUENCE OF INTERACTIONS BETWEEN SEMEN EXTENDER AND NUMBER OF SPERMATOZOA ON NONRETURN RATE ESTIMATES OF FERTILITY FOR INDIVIDUAL HOLSTEIN BULLS
Gerard and P. Humblot 727

A METHOD FOR THE ACCURATE MEASUREMENT OF OPSONIC ACTIVITY IN UTERINE SECRETIONS OF THE MARE
U. Magnusson and K. Jonsson 737

DIAGNOSIS OF PREGNANCY IN WOOD BISON USING A BOVINE ASSAY FOR PREGNANCY-SPECIFIC PROTEIN B
J.C. Haigh, C. Gates, A. Ruder, R. Sasser 749

DECREASE IN THE SEASONALITY OF SEXUAL BEHAVIOR AND SPERM PRODUCTION IN BUCKS BY EXPOSURE TO SHORT PHOTOPERIODIC CYCLES
J.A. Delgadillo, B. Leboeuf and P. Chemineau 755

DEVELOPMENTAL ABILITY OF IN VITRO MATURED SHEEP OOCYTES COLLECTED DURING THE NONBREEDING SEASON AND FERTILIZED IN VITRO WITH FROZEN RAM SEMEN
P.A. Pugh, Y. Fukui, H.R. Tervit and J.G. Thompson 771

THE SEX RATIOS OF BOVINE EMBRYOS PRODUCED IN VIVO AND IN VITRO
W.A. King, B.R. Yadav, K.P. Xu, L. Picard, M-A.Sirard
A. Verini Supplizi and K.J. Betteridge 779

MONOSOMY AND TRISOMY IN BOVINE EMBRYOS SIRED BY BULLS HETEROZYGOUS FOR THE 1/29 ROBERTSONIAN TRANSLOCATION CHROMOSOME
T.D. Wilson 789

EFFECT OF POSTINSEMINATION PROGESTERONE SUPPLEMENTATION ON FERTILITY AND SUBSEQUENT ESTROUS RESPONSES OF DAIRY HEIFERS
J. Van Cleeff, M. Drost and W.W. Thatcher 795

(continued)

ULTRASONIC DETERMINATION OF FETAL GENDER IN HORSES AND CATTLE UNDER FARM CONDITIONS
S. Curran and O.J. Ginther 809

CO-CULTURE OF DAY-5 TO DAY-7 EQUINE EMBRYOS IN MEDIUM WITH OVIDUCTAL TISSUE
D.A. Freeman, J.E. Butler, J.A. Weber, R.T. Geary and G.L. Woods 815

TIME OF EMBRYO TRANSPORT THROUGH THE MARE OVIDUCT
D.A. Freeman, J.A. Weber, R.T. Geary and G.L. Woods 823

A TECHNIQUE FOR TRANSRECTAL ULTRASONOGRAPHY OF STALLIONS DURING EJACULATION
J.A. Weber and G.L. Woods 831

FETAL DEVELOPMENT AND GESTATIONAL CHANGES IN *Bos taurus* AND *Bos indicus* GENOTYPES IN THE TROPICS
P.K. O'Rourke, K.W. Entwistle, C. Arman, C.R. Esdale and B.M. Burns 839

TELEMETRIC MONITORING OF BODY TEMPERATURE IN THE HORSE MARE
D.T. Cross, W.R. Threlfall and R.C. Kline 855

EFFECTS OF MEDIA AND THE PRESENCE OF BOVINE OVIDUCT EPITHELIAL CELLS DURING IN VITRO FERTILIZATION ON FERTILIZABILITY AND DEVELOPMENTAL CAPACITY OF BOVINE OOCYTES
Y.H. Choi, Y. Fukui and H. Ono 863

EFFECTS OF VARIOUS ELECTRIC FIELDS ON THE FUSION AND IN VITRO DEVELOPMENT OF MOUSE TWO-CELL EMBRYOS
H.T. Cheong, T. Taniguchi, M. Hishinuma, Y. Takahashi and H. Kanagawa 875

(continued)

Number 6, December 1991

REPRODUCTIVE PERFORMANCE OF ZEBU CATTLE IN MEXICO
1. SEXUAL BEHAVIOR AND SEASONAL INFLUENCE ON ESTROUS CYCLICITY
C. Lamothe-Zavaleta, G. Fredriksson and H. Kindahl.....887

REPRODUCTIVE PERFORMANCE OF ZEBU CATTLE IN MEXICO
2. SEASONAL INFLUENCE ON THE LEVELS OF PROGESTERONE, ESTRADIOL-17beta, CORTISOL AND LH DURING THE ESTROUS CYCLE
C. Lamothe-Zavaleta, G. Fredriksson and A. Madej.....897

CHARACTERISTICS OF STALLIONS IN NOVEL AND IN ROUTINE SEMEN COLLECTION SITES, WITH OR WITHOUT RESTRAINT
L.M. Ionata, B.W. Pickett, J.C. Heird, P.N. Lehner and E.L. Squires.....913

EFFECT OF SUPPLEMENTARY SEXUAL PREPARATION ON SEMEN CHARACTERISTICS OF STALLIONS
L.M. Ionata, T.M. Anderson, B.W. Pickett, J.C. Heird and E.L. Squires.....923

OBSERVATION BY ULTRASONOGRAPHY OF EMBRYONIC LOSS FOLLOWING THE TRANSFER OF TWO OR THREE EMBRYOS IN BEEF COWS
Y. Izaike, O. Suzuki, K. Shimada, N. Takenouchi and M. Takahashi.....939

SUPEROVULATION IN HEIFERS USING EITHER PREGNANT MARE'S SERUM GONADOPTROPHIN OR FOLLICLE STIMULATING HORMONE DURING THE MID LUTEAL STAGE OF THE ESTROUS CYCLE
D. Goulding, D.H. Williams, J.F. Roche and M.P. Boland.....949

SEASONAL CHANGES IN LH, ANDROGENS AND TESTES IN THE MALE ANGORA GOAT
A.J. Ritar.....959

EFFECT OF THE NUMBER OF GRANULOSA CELLS ADDED TO CULTURE MEDIUM FOR IN VITRO MATURATION, FERTILIZATION AND DEVELOPMENT OF BOVINE OOCYTES
H. Mochizuki, Y. Fukui and H. Ono.....973

(continued)

EFFECT OF UTERINE MANIPULATION ON POSTPARTUM FERTILITY AND PLASMA 13,14-DIHYDRO-15-KETO-PROSTAGLANDIN F_{2alpha} IN BRAHMAN COWS AND FIRST-CALF HEIFERS
J.S. Velez, R.D. Randel and D.A. Neuendorff.....987

DECREASING THE VARIANCE OF LAMBING TIME IN CROSSBRED EWES USING FLUMETHASONE, CLENBUTEROL AND OXYTOCIN
D.O. Kiesling and S. Meredith.....999

QUANTIFICATION OF CIRCULATING BETA-ENDORPHIN AND WHITE BLOOD CELLS IN HEIFERS AFTER INTRAUTERINE ADMINISTRATION OF *Escherichia coli* ENDOTOXIN
A.T. Peter, P.V. Malven, S. Shaftoe and W.T.K. Bosu.....1009

SERVING CAPACITY TESTS ARE UNABLE TO PREDICT THE FERTILITY OF YEARLING BULLS
G.W. Boyd, V.M. Healy, R.G. Mortimer and J.R. Piotrowski.....1015

REPEATED EMBRYO RECOVERY ATTEMPTS AND SUBSEQUENT FERTILITY OF TWO-YEAR-OLD FILLIES
J.M. Wilson, D.C. Kraemer, G.D. Potter and J.L. Pipkin..1027

PREGNANCY RATES AFTER USING A GONADOTROPIN RELEASING HORMONE AGONIST IN BOVINE EMBRYO TRANSFER RECIPIENTS
J.E. Ellington, R.H. Foote, P.B. Farrell, J.F. Hasler, J. Webb, W.B. Henderson and A.B. McGrath.....1035

NONINVASIVE MEASUREMENT OF PYRUVATE UPTAKE BY OVINE PREIMPLANTATION EMBRYOS AND UNFERTILIZED OVA
J.E. Butler and J.E. Williams.....1043

EFFECT OF FSHp ON DAY 1 OF THE ESTROUS CYCLE ON FOLLICLE NUMBER AND CONCENTRATIONS OF INHIBIN IN FOLLICULAR FLUID IN HEIFERS
D. Goulding, T.L. Martin, D.H. Williams, J.J. Ireland, J.F. Roche and M.P. Boland.....1049

PORCINE SPERM BINDING TO OVIDUCTAL EXPLANTS IN CULTURE
S.S. Raychoudhury and S.S. Suarez.....1059

PATHOPHYSIOLOGY OF THE PUERPERAL PERIOD: RELATIONSHIP BETWEEN PROSTAGLANDIN E2 (PGE2) AND UTERINE INVOLUTION IN THE COW
H. Slama, D. Vaillancourt and A.K. Goff.....1071

AUTHOR INDEX (Volume 36).....1091

SUBJECT INDEX (Volume 36).....1095

CONTENTS (Volume 36).....1099

ACKNOWLEDGMENT OF REVIEWERS.....1111